

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P525577

Luminaire Tested: **IFLD-L-SA7E-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525577
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

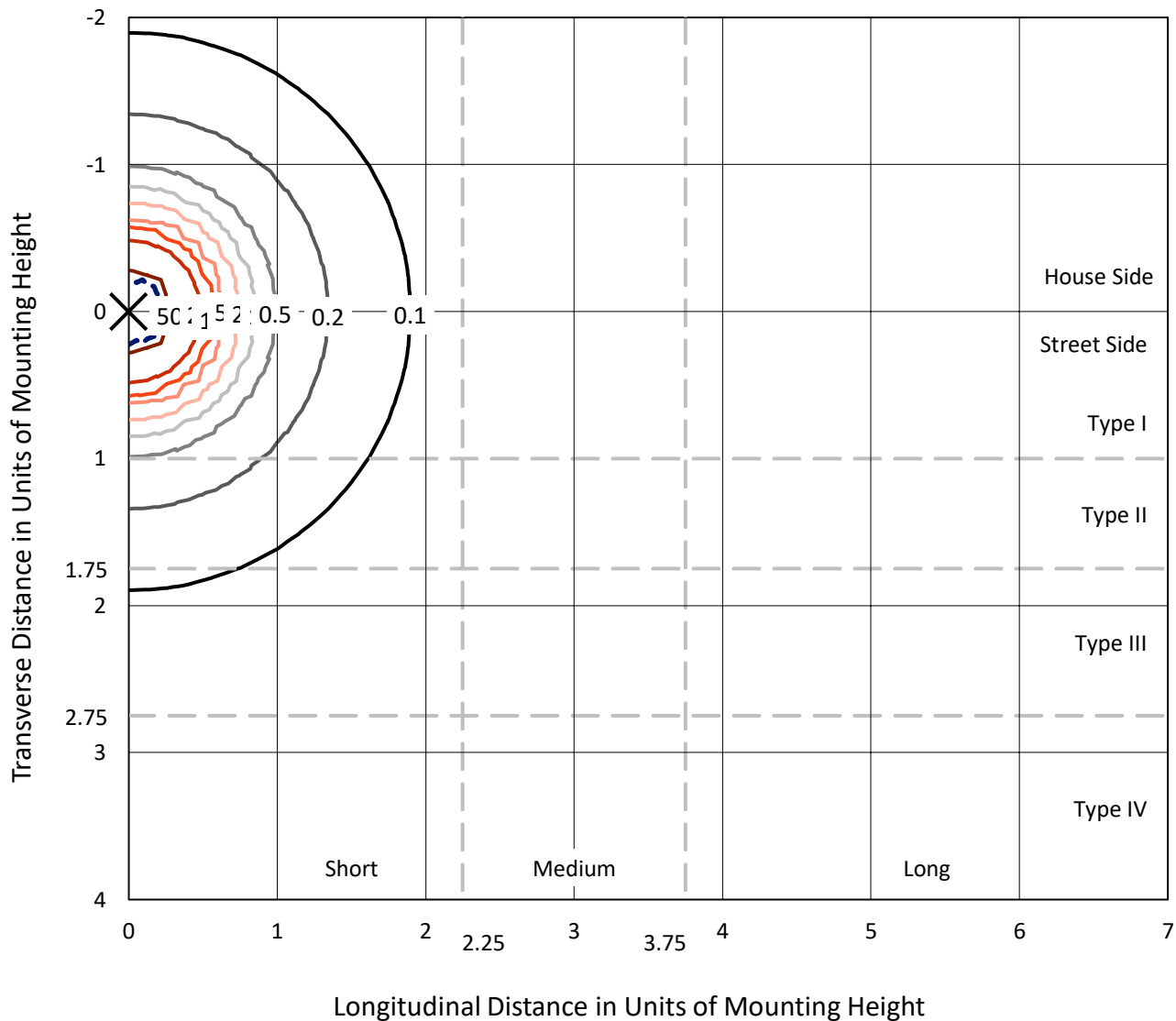
Lumens per Lamp: N/A
Luminaire Lumens: 41935.7 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P525577
 CATALOG NUMBER: IFLD-L-SA7E-940-U-44

Iso-Footcandle Lines of Horizontal Illumination

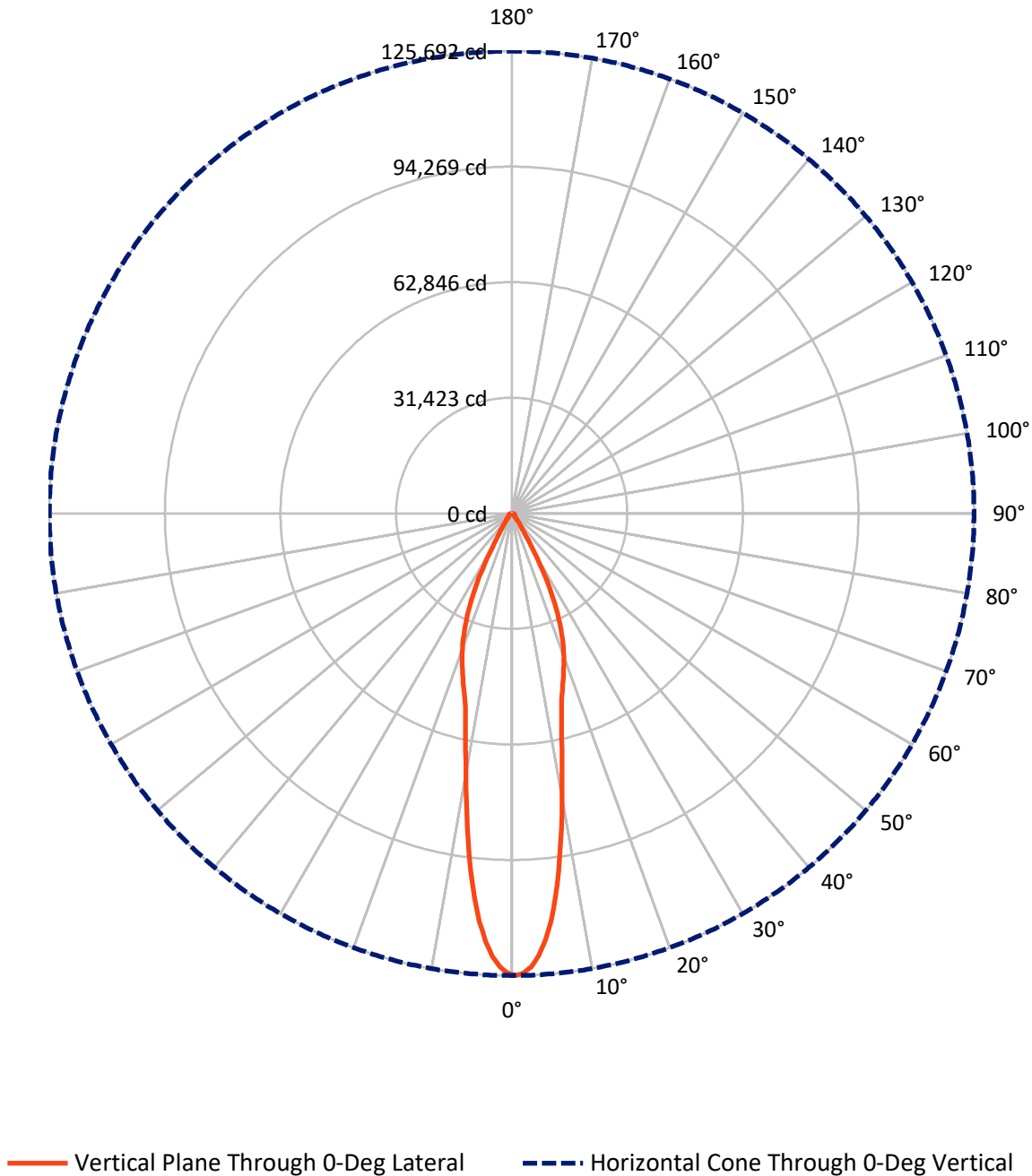
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 139.7 fc
 Type V - Short - N/A

REPORT NUMBER: P525577
CATALOG NUMBER: IFLD-L-SA7E-940-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525577

CATALOG NUMBER: IFLD-L-SA7E-940-U-44

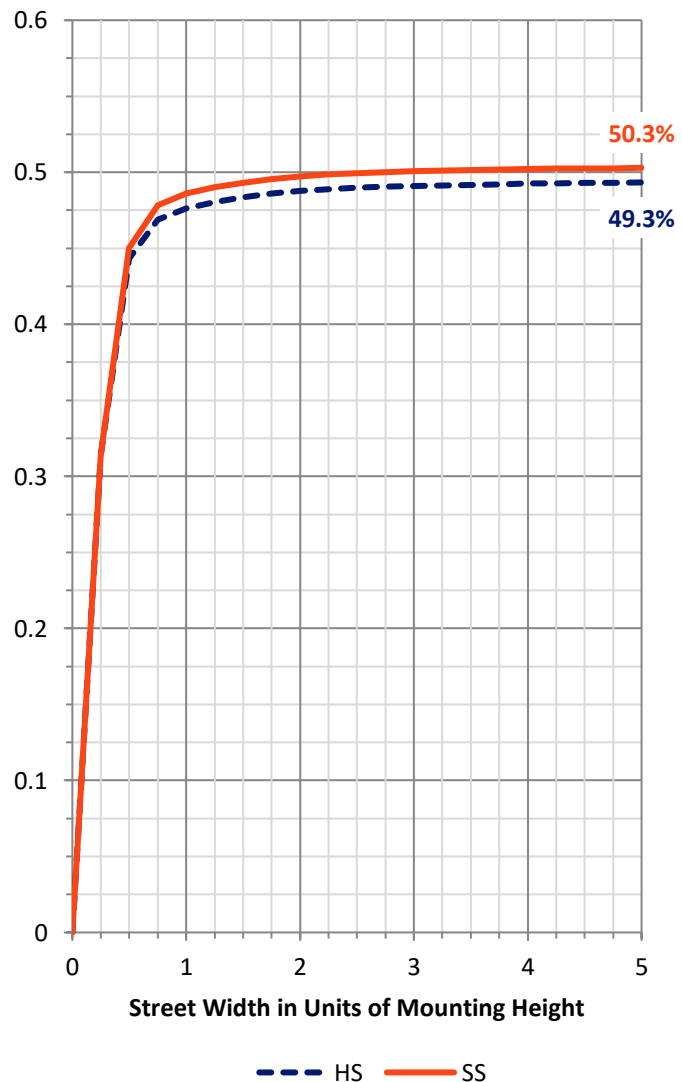
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20967.8	0.0	20967.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20967.8	0.0	20967.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	41935.7	0.0	41935.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9409.0	22.4
10°-20°	14673.8	35.0
20°-30°	11890.7	28.4
30°-40°	2885.8	6.9
40°-50°	971.2	2.3
50°-60°	767.5	1.8
60°-70°	765.5	1.8
70°-80°	422.5	1.0
80°-90°	149.8	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	41935.7	100.0
0°-180°	41935.7	100.0

Coefficient of Utilization



REPORT NUMBER: P525577

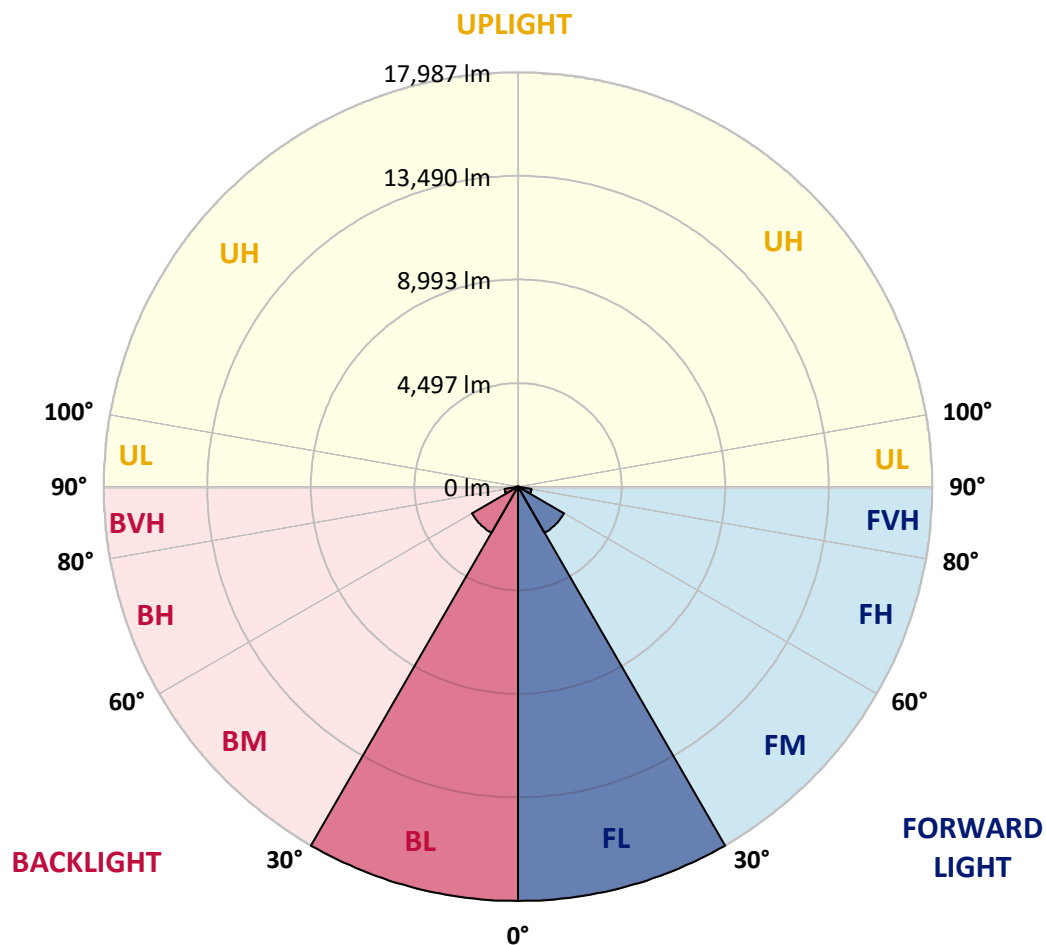
CATALOG NUMBER: IFLD-L-SA7E-940-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	17986.7	42.9			
FM	(30°-60°)	2312.3	5.5			
FH	(60°-80°)	594.0	1.4			G0/660
FVH	(80°-90°)	74.9	0.2			G1/100
BL	(0°-30°)	17986.7	42.9	B5		
BM	(30°-60°)	2312.3	5.5	B2/2500		
BH	(60°-80°)	594.0	1.4	B2/1000		G0/660
BVH	(80°-90°)	74.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



REPORT NUMBER: P525577
CATALOG NUMBER: IFLD-L-SA7E-940-U-44

CANDELA DISTRIBUTION (FULL):

	0°
0°	125691.9
1°	125037.6
2°	123356.1
3°	120567.8
4°	116562.8
5°	111395.9
6°	105067.3
7°	97992.7
8°	90312.8
9°	82583.9
10°	75191.3
11°	68538.6
12°	62711.4
13°	57923.7
14°	54108.2
15°	51105.9
17.5°	45547.7
20°	40374.8
22.5°	34315.2
25°	27277.3
27.5°	19254.9
30°	10462.1
32.5°	6016.8
35°	4017.3
37.5°	2739.3
40°	1950.6
42.5°	1510.3
45°	1180.1
47.5°	966.1
50°	886.6
52.5°	843.8
55°	825.5
57.5°	856.0
60°	905.0
62.5°	886.6
65°	788.8
67.5°	678.7
70°	574.8
72.5°	476.9
75°	391.3
77.5°	318.0
80°	256.8
82.5°	207.9
85°	159.0
87.5°	55.0



REPORT NUMBER: P525577
CATALOG NUMBER: IFLD-L-SA7E-940-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)